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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/611,633 07/01/2003 Yingjian Chen XYNANO-2 7738 7590 08/08/2005 EXAMINER YINGЛАN CHEN REIFSNYDER, DAVID A 1123 WISTERIA DRIVE ART UNIT PAPER NUMBER FREMONT, CA 94539

1723
DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.	Applicant(s)
10/611,633	CHEN ET AL.
Examiner	Art Unit
David A. Reifsnyder	1723
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02 June 2005.	
This action is non-final.	
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DETAILED ACTION

Response to Applicant's Election/Restriction Election

Applicant's election <u>without</u> traverse of Invention I in the reply filed on June 2, 2005 is acknowledged.

Claims 18-24 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected Invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on June 2, 2005.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-8, drawn to a method of creating a plurality of magnetic nanotubes, each magnetic nanotube having a first portion and a second portion; magnetically aligning the magnetic nanotubes on a grid; and removing the second portions, classified in class 148, subclass 108.
- II. Claims 9-13 drawn to a method of magnetically filtering magnetic nanotubes, classified in class 210, subclass 695.
- III. Claims 14-17, drawn to a method of dispersing a plurality of magnetic nanotubes into a solution; coating the solution containing the magnetic nanotubes on a wafer; and magnetically arranging the magnetic nanotubes on the wafer, classified in class 438, subclass 99.

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The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated independent and distinct methods. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the unrelated independent and distinct methods have different functions. Invention I is a method of creating a plurality of magnetic nanotubes, while Invention II is a method of magnetically filtering magnetic nanotubes, the magnetic nanotubes filtered by the method of Invention II do not have to be the magnetic nanotubes created by the method of Invention I.

Inventions I and III are unrelated independent and distinct inventions. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the unrelated independent and distinct methods have different functions. Invention I is a method of creating a plurality of magnetic nanotubes, while Invention III is a method of dispersing a plurality of magnetic nanotubes into a solution; coating the solution containing the magnetic nanotubes on a wafer; and magnetically arranging the magnetic nanotubes on the wafer, the magnetic nanotubes arranged on the wafer by the method of Invention III do not have to be the magnetic nanotubes created by the method of Invention I.

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Inventions II and III are unrelated independent and distinct inventions. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the unrelated independent and distinct methods have different functions. Invention II is a method of magnetically filtering magnetic nanotubes, while Invention III is a method of dispersing a plurality of magnetic nanotubes into a solution; coating the solution containing the magnetic nanotubes on a wafer; and magnetically arranging the magnetic nanotubes on the wafer, the magnetic nanotubes arranged on the wafer by the method of Invention III do not have to be the magnetic nanotubes filtered by the method of Invention II.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David A. Reifsnyder whose telephone number is (571) 272-1145. The examiner can normally be reached on M-F 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda M. Walker can be reached on (571) 272-1151. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David A Reifsnyder

Primary Examiner

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